PTO/SB/06 (08-03)
Approved for use through 7/31/2006, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875										289/
CLAIMS AS FILED - PART I (Column 1) (Column 2)					SMALL ENTITY .		OR .	OTHER THAN SMALL ENTITY		
FOR NUMBER FILED			NUMBER EXTRA		RATE	FEE		RATE	FEE	
BASIC FEE (37 CFR 1.16(a))					-		s	OR		S
TOTAL CLAIMS (37 CFR 1.16(c)) minus 20 =			].		x \$=		OR	x \$=		
INDEPENDENT CLAIMS		S	minus 3 =			x \$ =		OR	x \$ =	
(37 CFR 1.16(b)) minus 3 = 1 *  MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))			<del></del>	1		OR	+\$ =			
					TOTAL		OR	TOTAL		
* If th	ie difference in co	olumn 1 is less tha	n zero, enter "	U in column :	TOTAL		OK	TOTAL		
I	CL	AIMS AS AME	ENDED - P	PARTII						
-	7-34-51 (Column 1) (Column 1)			(Column 2)	(Column 3)	SMALL	ENTITY	OR		R THAN ENTITY
⋖		CLAIMS REMAINING		HIGHEST NUMBER	PRESENT EXTRA	RATE	ADDI- TIONAL		RATE	ADDI- TIONAL
ENDMENT		AFTER AMENDMENT		REVIOUSLY PAID FOR	EAIRA		FEE		100	FEE
M	Total (37 CFR 1.16(c))	6)	Minus **	30	33	x s=	n	OR	x s / X=	594
IEN	Independent (37 CFR 1.16(b))	. 9	Minus ***	4	5	x \$=	MA	1/4	× \$ \$ 0=	400
ΑM	FIRST PRESENT	ATION OF MULTIPLE	DEPENDENT	CLAIM (37 CF	R 1.16(d))	+ s=		OR	+ s=	
11/1/5/29,30,32,54/8 ADD REE OR ADD'L FEE 99									994	
	1800	(Column 1)		(Column 2)	(Column 3)	1	T	1	r	<del> </del>
8		CLAIMS REMAINING		NUMBER REVIOUSLY	PRESENT EXTRA	RATE	ADDI- TIONAL		RATE	ADDI- TIONAL
EN I		AFTER AMENDMENT	<u></u>	PAID FOR			FEE		ļ <u> </u>	FEE .
ENDMENT	Total (37 CFR 1.16(c))		Minule	M.A.		x s=		OR	x s=	
4EN	Independent (37 CFR 1.16(b))	•	Minus					OR-	× s=	/-
AM	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ \$=		OR	+ s=	
Г						TOTAL ADD'L FEE	C	OR	TOTAL ADDIL FEE	
9	7402	(Column 1)		(Column 3)	(Column 3)			-	C	
-	#1-K	(Column 1) CLAIMS		(Column 2) HIGHEST	T	1		]	SATE	400/
IT C		REMAINING AFTER		NUMBER REVIOUSLY	PRESENT EXTRA	RATE	ADDI- TIONAL	/	RATE	ADDI- TIONAL
EN	Total	AMENDMENT	Minus "	PAID FOR	=	<b>/</b>	FEE	<del>/</del>		FEE >
힞	(37 CFR 1.16(c))	. (	Minks 7	nt -	-	x s=	<del>                                     </del>	OR	× \$=	/
AMENDMENT	(37 CFR 1.16(b))			1-	L/	x-\$=	<del>  / </del>	OR	× s=	<del>/</del>
₹	FIRST PRESENT	ATION OF MULTIPL	E DEPENDENT	CLAIM (37 C	FR 1.16(d))	+\$_=	//_	OR	+ s	<del> </del>
ADD'L FEE OR ADD'L FEE										
<ul> <li>If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</li> <li>If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</li> </ul>										
"If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 3, enter "3".  "If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 3, enter "3".										

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

06 (08-03)

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	PATI	ENT APPLIC		EE DETEI	N E	RECORD		Applicated Doctor Number 9/			
CLAIMS AS FILED – PART I (Column 1) (Column 2)						SMALL ENTITY		OR	OTHER THAN SMALL ENTITY		
	FOR	NUMBE	NUMBER FILED N		NUMBER EXTRA		RATE	FEE		RATE	FEE
	C FEE CFR 1.16(a))					1		s	OR		S
(37 CFR 1.16(a))  TOTAL CLAIMS (37 CFR 1.16(c)) minus 20 =				1	x s=		OR	x,\$=			
(37 CFR 1.16(c)) INDEPENDENT CLAIMS		1S				1			1		
(37 C	FR 1.16(b))		minus 3 =   .			$\  \cdot \ $	x \$=		OR	X S =	·
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))					]	+ s =		OR	+ \$=		
* If the difference in column 1 is less than zero, enter *0* in column 2.							TOTAL		OR	TOTAL	L
CLAIMS AS AMENDED – PART II											
6	11-03	(Column 1)		(Column 2)	(Column 3)		SMALL E	NTITY	OR		R THAN ENTITY
NT A		CLAIMS REMAINING AFTER AMENDMENT	F	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
ME	Total (37 CFR 1.16(c))	51	Minus	65	-	1	x \$=		OR	x \$=	
AMENDMENT	Independent (37 CFR 1,16(b))	. 6	Minus *	· 9	-	1	x \$=		OR	x \$ =	
AM	FIRST PRESENT	ATION OF MILITIPLE	E DEPENDEN	T CLAIM (37 CF	R 1.16(d)):	1	+5 =		OR	+ \$ =	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))							TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
1	-704	(Column 1)		(Column 2)	(Column 3)	_			,	<del></del>	<u>'</u>
В	113	CLAIMS REMAINING AFTER		HIGHEST NUMBER PREVIOUSLY	PRESENT EXTRA		RATE	ADDI- TIONAL		RATE	ADDI- TIONAL
Z U	210	AMENDMENT		PAID FOR	=	/	<u> </u>	FEE		· · · · · ·	FEE
ENDMENT	Total (37 CFR 1.16(c))		Minus		/	4	x s=	4127	OR	x \$=	
AEN N	Independent (37 CFR 1,16(b))	•	8	WC		<u></u>	x s=		OR-	× s =	
AM	FIRST PRESENT	TATION OF MULTIPL	E DEPENDEN	T CLAIM (37 CF	FR 1.16(d))		+ s=		OR	+ \$=/	
	-				t	_	TOTAL .ADD'L FEE	7	OR	TOTAL ADD'L FEE	
		(Column 1)		(Column 2)	(Column 3)						,
NT C		CLAIMS REMAINING AFTER	1	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
ME	Total	AMENDMENT	Minus	· AID FOR	<del>                                     </del>	1	x s =		OR	× \$ =	
S	(37 CFR 1.16(c)) Independent	<del>-</del>	Minus	•••	=	┨ ・			1		
AMENDMEN	(37 CFR 1.16(b))	L				-	X-\$=		OR		
THOUT RESERVATION OF MOCH ELSES CHOCK COMM. (A) STATE OF							TOTAL =		OR	+ \$ =	
							ADD'L FEE		OR <sup>1</sup>	ADD'L FEE	L
If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  "If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  "If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".											

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Our Reference: UMJ-102-B (UM1544p1)

PATENT

NU. 343

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Curtis L. Munson & Ralph T. Yang

Serial Number:

09/632,891

Filing Date:

August 7, 2000

Examiner/Art Group Unit:

Tam M. Nguyen/1764

SULFUR RESISTANT ADSORPENTS

Title:

COMMUNICATION

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

The Office Action dated April 24, 2001 has been received and carefully reviewed. Please revise the above-identified patent application as indicated below. Entry of this Communication is respectfully requested.

In the specification:

At page 1, lines 4-9, please replace the paragraph with the following paragraph:

This application is related to co-pending United States Application Serial No. 09/177,256, filed October 22, 1998 and to United States Application Serial No. 09/179,667, filed October 27, 1998, now U.S. Patent No. 6,215,037, each of which applications is incorporated herein by reference in its entirety.

Please replace the paragraph at page 11, lines 1-17 with the following paragraph:

In a further embodiment, a novel method is disclosed for separating a diene from a mixture including the diene and a sulfur compound. The process comprises the step of contacting the mixture with an adsorbent which preferentially adsorbs the diene, at a selected temperature and pressure, thereby producing a non-adsorbed component and a diene-rich adsorbed component. The adsorbent comprises an ion-exchanged zeolite selected from the group consisting of zeolite X, zeolite Y, zeolite LSX, and mixtures thereof, the zeolite having

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